Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A method of storing data, comprising:

receiving a sequence of data words of a first predetermined width and different respective formats;

splitting the data words of the received sequence to form new data words of a new sequence, the new data words having a second predetermined width;

packing the ~~consecutive~~ new data words consecutively in a token buffer of a second width without holes between the ~~packed~~ new data words; and

unpacking the new data words to reproduce a ~~the~~ new sequence of the new data words.

2. (CURRENTLY AMENDED) The method of claim 1, further comprising:

writing a block of data from the token buffer to a random access memory device configured to store the words of the second width.

3. (CURRENTLY AMENDED) The method of claim 1, further comprising:

expanding out run length code in the ~~unpacked~~ new words.

4. (CURRENTLY AMENDED) An inverse modeler, comprising:

a data unpacker to unpack data words received from an input terminal to a different length format;

a data expander coupled to the data unpacker; and

a data padder to pad data tokens received from the data expander.

5. (CURRENTLY AMENDED) The inverse modeler of claim 4, wherein the data expander expands out run length codes into runs of zeros followed by a level in ~~the~~ packed data.

6. (CURRENTLY AMENDED) The inverse modeler of claim 5, wherein the data padder pads the last word of ~~the~~ expanded tokens.

7. (ORIGINAL) The inverse modeler of claim 4, wherein the data unpacker deletes data between a flush signal and a block end signal.